BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Interleukin-3 IL3 Antibody Picoband®

Catalog Number: PA1728

About Il3

Interleukin 3, also known as IL-3, is a protein that in humans is encoded by the IL3 gene. Ot is mapped to 5q31.1. IL-3 is an interleukin, a type of biological signal (cytokine) that can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. IL-3 stimulates the differentiation of multipotent hematopoietic stem cells into myeloid progenitor cells or, with the addition of IL-7, into lymphoid progenitor cells. In addition, IL-3 stimulates proliferation of all cells in the myeloid lineage (granulocytes, monocytes, and dendritic cells), in conjunction with other cytokines, e.g., Erythropoietin (EPO), Granulocyte macrophage colony-stimulating factor (GM-CSF), and IL-6. IL-3 is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response.

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Overview

Product Name	Anti-Interleukin-3 IL3 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Interleukin-3 IL3 Antibody catalog # PA1728. Tested in WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01586

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antibody and ELISA experts

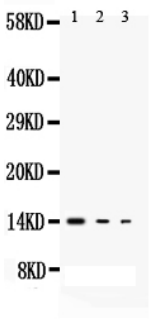
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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse IL-3.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse

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Anti-Interleukin-3 IL3 Antibody Picoband® (PA1728) Images



Anti-IL-3 antibody, PA1728, Western blottingAll lanes: Anti IL-3 (PA1728) at 0.5ug/mlLane 1: Recombinant Mouse IL-3 Protein 10ngLane 2: Recombinant Mouse IL-3 Protein 5ngLane 3: Recombinant Mouse IL-3 Protein 2.5ngPredicted bind size: 14KDObserved bind size: 14KD

Anti-Interleukin-3 IL3 Antibody

For Research Use Only. Not for use in diagnostic procedures.